

MINING APPLICATION
NO. ACT-017-004
Date 7-5-76

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

NOTICE OF INTENTION TO COMMENCE MINING OPERATIONS
(See Rule M of General Rules and Regulations)

1. Name of Applicant or Company Hydro-Jet Services, Inc.
Corporation (X) Partnership () Individual ()
2. Address P.O. Box 808, Amarillo, Texas 79105 P.O. Box 325, Green River, Utah 84525
Permanent Temporary
3. Name and title of person representing company Gary Ekker, Land and Mine Manager
4. Address P.O. Box 325, Green River, Utah Office Phone Mobile JL7-1187
18,19,30, 35 S
5. Location of Operation Garfield Sec. 31,35, T. 36 S R. 11 E
County 5,6,8
6. Name of Mine Ace 1 - 129
7. Mineral to be mined: Mining method:
() Coal () Flagstone Drilling and underground drifts
() Copper () Gravel
() Manganese () Shale
() Iron Ore (X) Uranium
() Phosphate () Gilsonite
() Potash () Bituminous Sandstone
() Fluorspar () Tungsten
() Other (specify) _____
8. Have you or any person, partnership or corporation associated with you received an approved Notice of Intention to Commence Mining Operations by the State of Utah for operations other than described herein?
() Yes (X) No
If yes, list all approval numbers now under surety:

9. Owner/Owners of record of the surface area within the land to be affected:

Hydro-Jet Services, Inc. Address P.O. Box 808, Amarillo, Texas 84525
Address _____
Address _____
Address _____

Map

10. Owner/Owners of record of minerals to be mined:

<u>Hydro-Jet Services, Inc.</u>	<u>Address P.O. Box 808, Amarillo, Texas 79105</u>
_____	<u>Address _____</u>
_____	<u>Address _____</u>
_____	<u>Address _____</u>

11. Owner/Owners of record of all other minerals within any part of the land affected:

<u>Hydro-Jet Services, Inc.</u>	<u>Address P.O. Box 808, Amarillo, Texas 79105</u>
_____	<u>Address _____</u>
_____	<u>Address _____</u>

11a. Have the above owners been notified in writing?

(X) Yes () No

12. Source of Operator's legal right to enter and conduct operations on land to be covered by the Notice _____

13. Approximate acreage to be disturbed: 30 acres

Mining Operation Area: 2 acres +

(include operations, storage, & disposal area)

Access Road or Haulageway: 65 acres +

Drainage System: 5 acres =

Total Acres: 102 Acres

14. Give the names and post office addresses of every principal Executive, Officer Partner, (or person performing a similar function) of Applicant:

Name:	Title:	Address:
a. <u>A. B. Fly</u>	<u>President</u>	<u>P.O. Box 808, Amarillo, Texas</u>
b. <u>Bill Dodgins</u>	<u>Vice President</u>	<u>P.O. Box 808, Amarillo, Texas</u>
c. <u>Gary Ekker</u>	<u>Land and Mine Manager</u>	<u>P.O. Box 325, Green River, Utah</u>
d. <u>Aubrey Smith</u>	<u>Production Manager</u>	<u>P.O. Box 325, Green River, Utah</u>

15. Has Applicant, any subsidiary or affiliate or any person, partnership, association, trust, or corporation controlled by or under common control with Applicant, or any person required to be identified by Item 14, ever had an approval of a Notice of Intention withdrawn or has surety relating thereto ever been forfeited? () Yes (X) No

If yes; explain:

STATE OF UTAH

COUNTY OF CARBON

I, DUANE A. FRANDSEN, having been duly sworn
depose and attest that all of the representations contained in the foregoing
application are true to the best of my knowledge; that I am authorized to
complete and file this application on behalf of the Applicant and this
application has been executed as required by law.

Signed: *Duane A. Frandsen*
Attorney for Hydro-Jet Services

Taken, subscribed and sworn to before me the undersigned authority
in my said county, this 8TH day of JULY, 19 76.

Notary Public *Vincent J. Zaccaria*

My Commission Expires: JANUARY 22, 1978

MINING APPLICATION
NO. _____

Date _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MR 2, provided
they contain the same information)

1. Name of Applicant or Company Hydro-Jet Services, Inc.
2. Proposed type of operation Drilling and underground drifting
3. (a) Prior Land Use(s) Mining and grazing
(b) Current Land Use(s) Grazing
(c) Possible or Prospective Future Land Use(s) Grazing
4. What vegetation exists on the land proposed to be affected Juniper,
Grass, Brush
(a) Types and Estimated Percent cover or density: Juniper 5%, Grass 10%,
Brush 5%
5. What is the range pH of soil before mining? _____ pH
Name of Person or Agency and method of determining pH _____
6. Site elevation above sea level 4400 - 4800 feet
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) _____
8. Estimated duration of mining operations Indefinite
9. Has overburden, waste or rejected materials been classified as acid or
alkali producing? (X) Yes () No
Does the above material being moved have any other characteristics
affecting revegetation? _____
10. Will any underground workings or aquifers be encountered? () Yes (X) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or
crossing the land affected? () Yes (X) No If yes, describe
the quality of water being discharged. _____

11. Describe specifically a detailed procedure for:

- (a) The mining sequence
- (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
- (c) The procedure for site preparation including removing trees and brush.
- (d) The method for removing and stockpiling topsoil or disturbed materials.
- (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
- (f) A procedure for final stabilization of disturbed materials.

SEE ADDENDUM A ATTACHED.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

SEE ADDENDUM B ATTACHED.

TESTING

1. Describe method for testing stability of reclamation fill material.

Erosion test conducted off site utilizing approximate grading and elevation changes.

Describe method for the testing of soil that is intended to support vegetation

Percolation test and examination for organic content

2. Describe any soil treatment employed as an aid to revegetation

Chemical fertilizer

3. Describe surface preparation of areas intended to support vegetation:

Burms and dikes will be terraced and access roads will be regraded and
drainage cross cuts provided.

REVEGETATION

1. Revegetation to be completed by:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Operator | <input type="checkbox"/> Hydroseeding |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding |
| <input type="checkbox"/> Private Contractor | <input type="checkbox"/> Conventional or Rangeland Drilling |
| Name _____ | <input type="checkbox"/> Other (specify) _____ |
| <input checked="" type="checkbox"/> Other (specify) <u>HAND AND MACHINERY SEEDING. AS RECOMMENDED.</u> | |

2. Will Mulch be used?

Type No Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
THE REVEGETATION PLAN WOULD BE DESIGNED TO FIT THE TERRAIN AND TYPE OF VEGETATION RECOMMENDED BY YOUR DEPARTMENT OR OTHER APPROPRIATE GOVERNMENTAL AGENCY AND WOULD BE PLANTED IN THE SEASON AND IN ACCORDANCE WITH THESE RECOMMENDATIONS.				

4. Will affected area be subject to livestock or wildlife grazing? ☒ Yes
() No Will vegetation protection be needed? IT DEPENDS ON YOUR RECOMMENDATIONS.

5. Will irrigation be used? () Yes (X) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. OWNER WILL MAINTAIN THE REVEGETATION TO THE EXTENT NEEDED TO GET IT FIRMLY STARTED.

I, the undersigned Operator, hereby submit this to be my Reclamation and Mining Plan for the area shown on the attached map. I further understand that the operation will be conducted in accordance with the Mined Land Reclamation Act of 1975, and all rules and regulations currently in effect thereunder.

Signed Edward A. Friedman Operator Date JULY 8, 1976

Attorney for Hydro-Jet Services

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 8TH day of JULY, 19 76.

Notary Public Thomas J. Zaccaria

My Commission Expires: JAN. 22, 1978

ADDENDUM "A"

11. (a) The mining sequence.

Depends on the drilling program and analysis and recommendations of geologist and mining superintendent.

(b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.

Roads will be roughed in with a cat and heavy equipment. They will not be graded and will follow the contour of the terrain.

(c) The procedure for site preparation including removing trees and brush.

A cite preparation will be made by dozer and other heavy equipment. There will be very few trees, brush or other vegetation disturbed.

(d) The method for removing and stockpiling topsoil or disturbed materials.

Top soil to the extend removed will be stockpiled to be replaced in the area under the reclamation program. Rock and other non-soil materials would be used for fill.

(e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.

Acid, alkali or toxic materials would be separated from the other disturbed materials and used for fills to the extent that such was feasible.

(f) A procedure for final stabilization of disturbed materials.

To the extent practical. Piles of non-production disturbed materials would be contoured, planting would be attempted and other methods used to form a non-erroding surface.

ADDENDUM "B"

GRADING AND REGARDING

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regarded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

The answer to all of these and the procedure to be followed will depend upon the amount of surface disturbed, the volume of materials removed, the amount of top soil, slope and other factors that would enter into a revegetation and reclamation plan. No detailed engineering study has been made at this time and accurate reports and proposals are not available. The owner intends to consult with your department, with government agencies who are skilled in these areas and to adopt the best method and plan that is available for the type of terrain and material that is exposed. The owner would rely heavily on the recommendations of your department.